



Smart Cities

City of
Round Rock, Texas

Project Spotlight



Date

2018 - Ongoing

Project Size

- City Hall Garage: 210 Spaces
- Library Garage: 140 Spaces

Products Installed

- 280 Ultrasonic Mini Sensors with External RGB LED Indicator
- 65 NEDAP Surface Mounted Sensors
- Internal Guidance Signage
- 45" x 60" Matrix Sign – housed in custom rock casing

Garages

- 140 UMS – External LED, 65 NEDAP Surface Mounted Sensors
 - Internal Signs
- 140 UMS – External LED
 - Internal Signs

Contact

For more information on this project,
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Project Challenge

The City of Round Rock, Texas is a progressive and innovative community with a long-term vision of seamlessly integrating technology into everyday life. To accomplish this, City officials decided it would evolve into a “smart city” and have invested in several initiatives to make their City more user friendly, contemporary and sustainable to help attract new business and bring residences and customers into the downtown district.

PGS fits the Smart City Mould

Improving the City’s parking garages is part of the City of Round Rock’s downtown revitalization project, which aims to make the center more walkable and enjoyable with the recent addition of new plazas and fountains.

Ultimately the City chose the INDECT single-space parking guidance system for its high level of accuracy, robust construction and the option of using sensors with extended LED lights in high ceiling areas.

According to Heath Douglas, Round Rock’s Director of Information, building new infrastructure is expensive. By putting sensors in its existing garages, he is now able to collect and analyze data on a daily basis to make an informed decision when it’s time to build a new garage. That’s pretty smart!

“The City’s long-term plan is to have all the garages talking to each other so that when one garage is full, the information will be displayed on a matrix sign at the entrance and drivers will be redirected to the nearest garage with available spaces,” said Douglas.

Once the garages and on-street parking are all interconnected, the City of Round Rock plans to position additional matrix signs around the City to inform the community of upcoming events, provide game information, display emergency announcements and advise of changes to parking availability. They also plan to offer a frictionless parking app that would show all the available parking in the City.

Phase I: An Immediate Improvement

The City Hall parking garage is very narrow and hard to navigate. Previously when the garage was full, people would often find themselves stuck on the top level with no room to turn around, making it very hard to get out. Now, drivers are able to see the number of available spaces clearly displayed on a matrix sign at the garage entrance then simply follow the internal signs to locate the nearest spot. The system will also eliminate the traffic jams caused by overfilling as well as improving people’s overall experience.

Officials plans to extend the parking guidance throughout the City, such as the new library building scheduled for construction in 2022. It will be installing additional surface sensors on Main Street to monitor the 2-hour parking spaces next year.